

PERMIT NO: P0370P191138

**ENVIRONMENTAL PROTECTION AND MANAGEMENT ACT
ENVIRONMENTAL PROTECTION AND MANAGEMENT
(HAZARDOUS SUBSTANCES) REGULATIONS
PERMIT TO STORE AND USE HAZARDOUS SUBSTANCES**

Under Regulation 17 of the Environmental Protection and Management (Hazardous Substances) Regulations, a permit is hereby granted to:

DR PI NA

of TUV SUD PSB PTE. LTD.
15 INTERNATIONAL BUSINESS PARK TUV SUD @ IBP
SINGAPORE 609937

to store at

Site No Site Address

Site-1 15 INTERNATIONAL BUSINESS PARK TUV SUD @ IBP SINGAPORE 609937

and use the following hazardous substances in the quantity/quantities entered against each substances hereunder and for the purpose specified herein:

<u>Name of Hazardous Substances</u>	<u>Purity</u>	<u>Max Qty Permitted to be stored</u>	<u>Site No</u>	<u>Purpose</u>
LABORATORY REAGENTS EXCEPT THOSE IN ANNEX I	(100.00%)	454.00 KG	Site-1	For lab analysis
TRICHLOROPHENOL	(99.00%)	0.05 KG	Site-1	For lab analysis
HYDROCHLORIC ACID	(40.00%)	40.00 LIT	Site-1	For lab analysis
SULPHURIC ACID	(98.00%)	90.00 LIT	Site-1	For lab analysis
AMMONIA (ANHYDROUS)	(100.00%)	4.00 KG	Site-1	For chemical analysis
ACETIC ANHYDRIDE	(100.00%)	1.00 LIT	Site-1	For lab analysis
MERCURIC IODIDE	(100.00%)	0.50 KG	Site-1	For lab analysis
MERCURIC CHLORIDE	(100.00%)	0.05 KG	Site-1	For lab analysis
HYDROFLUORIC ACID	(50.00%)	2.00 LIT	Site-1	For lab analysis
ETHYLENE OXIDE	(10.00%)	0.01 LIT	Site-1	For lab analysis
MERCUROUS NITRATE	(100.00%)	0.50 KG	Site-1	For lab analysis
ALDICARB	(100.00%)	0.10 KG	Site-1	For lab analysis
CHLOROBENZENE	(100.00%)	0.10 LIT	Site-1	For lab analysis
BENDIOCARB	(100.00%)	2.00 KG	Site-1	For lab analysis
LAMBDA-CYHALOTHRIN	(100.00%)	2.00 KG	Site-1	For lab analysis
ALACHLOR	(100.00%)	0.01 LIT	Site-1	For lab analysis

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PERFLUOROOCTANE SULFONATES (PFOS) AND ITS DERIVATIVES	(100.00%)	0.01 LIT	Site-1	For lab analysis
SODIUM HYDROXIDE	(50.00%)	500.00 LIT	Site-1	Used for scrubber
SULPHURIC ACID	(50.00%)	500.00 LIT	Site-1	For Scrubber Use
ETHYLENE DICHLORIDE (1,2-DICHLOROETHANE)	(100.00%)	0.25 LIT	Site-1	For lab analysis
HEXACHLOROCYCLOHEXANE; HCH(MIXED ISOMERS)	(100.00%)	0.10 KG	Site-1	For lab analysis
CAMPHECHLOR (TOXAPHENE)	(0.25%)	0.01 KG	Site-1	For lab analysis

to use, but not store, the following hazardous substances for the purposes specified therein;

<u>Name of Hazardous Substances</u>	<u>Purity</u>	<u>Purpose</u>
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NIL

This permit is issued subject to the provisions of the Environmental Protection and Management Act, the Environmental Protection and Management (Hazardous Substances) Regulations and to the following conditions:

- 1 Hazardous substances in packaging such as drums, carboys etc are to be kept in a sheltered store with adequate security, ventilation and control facilities to contain spillage or leakage.
- 2 All cyanides shall be transported and stored separately from acids.
- 3 All peroxides shall be transported and stored separately from acids, oxidising and reducing agents, accelerators and heavy metal compounds.
- 4 All epichlorohydrin shall be transported and stored separately from any acids, bases, alcohol-containing materials and metals such as zinc and aluminium and anhydrous metal halides.
- 5 All organic peroxides shall be transported and stored at temperature below the SADT and not exceeding the storage temperature stated in their respective safety data sheets.
- 6 Nitric acid with a concentration above 90% shall be stored below 25°C within a fire resistant enclosure and away from all other materials. Fire safety measures in accordance to Fire Safety & Shelter Department requirements shall also be taken to ensure the safe storage.
- 7 Hazardous substances shall be labelled according to the Singapore Standard 586:2014 (Hazard communication for hazardous chemicals and dangerous goods).
- 8 The percentage and quantity refer to the maximum percentage and maximum aggregate storage quantity allowed for the hazardous substance; including preparations and solutions containing the hazardous substance.
- 9 Boric acid/ sodium borate shall not be used in food manufacturing.
- 10 Licence/Permit holder shall immediately notify NEA upon occurrence of any incident involving the loss, releases and/or fires of hazardous substances.
- 11 Safety measures such as gas leak detectors, alarm system and gas clearing devices shall be installed to ensure the safe storage of toxic gases.
- 12 Chlorobenzene and chlorophenol shall be strictly for laboratory use only. All chlorobenzene and chlorophenol wastes generated shall be disposed of at an approved overseas high temperature incineration plant.

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- 13 The users of anhydrous ammonia shall be briefed on the safety instructions and precautions to take in the storage, use and handling of ammonia and on the actions to take in the event of a leak.
- 14 Mercury compounds, PFOS and Alachlor shall only be used for lab analysis.

This licence takes effect from 30 Oct 2021 and expires on 29 Oct 2022.

Dated this 22nd day of Oct 2021.

**Paypal \$160.00 22 Oct 2021 **



Lim Jia Fang
**for Director-General
Environmental Protection**